Recombinant Human E-Selectin/SELE/CD62E Protein

Catalog No.: RP00377

Sequence Information

Species
Human

Gene ID
6401

Swiss Prot
P16581

Tags
C-hFc

Synonyms
CD62E; ELAM; ELAM1; ESEL; E-Selectin; LECAM2; SELE; selectin E; RP1-117P20.2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
85.4 kDa

Observed MW
90-130 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

E-Selectin (Endothelial Leukocyte Adhesion Molecule-1, ELAM-1, CD62E), a member of the Selectin family, is a 107 - 115 kDa cell surface glycoprotein. It is transiently expressed on vascular endothelial cells in response to IL-1 beta and TNF-alpha.E-selectin mediates in the adhesion of blood neutrophils in cytokine-activated endothelium through interaction with SELPLG/PSGL1. May have a role in capillary morphogenesis.

Basic Information

Description
Recombinant Human E-Selectin/SELE/CD62E Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp22-Pro556) of Human E-Selectin/SELE/CD62E (Accession #P16581) fused with a C-hFc tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

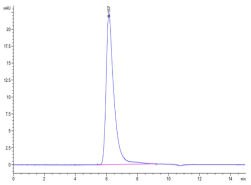
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

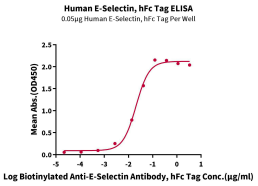
400-999-6126
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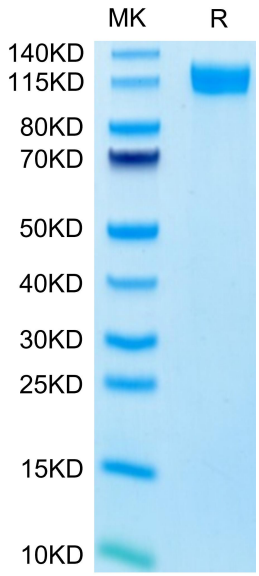
Validation Data



The purity of Human E-selectin is greater than 95% as determined by SEC-HPLC.



Immobilized Human E-Selectin, hFc Tag at 0.5 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated Anti-E-Selectin Antibody, hFc Tag with the EC_{50} 20.5ng/mL determined by ELISA.



Recombinant Human E-Selectin/SELE/CD62E Protein was determined by Tris-Bis PAGE under reducing conditions.